

Town of East Hampton, NY
Telecommunications Site Review
Equipment Modification Application

CityScape
CONSULTANTS, INC.
2423 S. Orange Avenue, #317
Orlando, FL 32806
Tel: 877.438.2851 Fax: 877.220.4593

March 22, 2022

Mr. Samuel Kramer
Planning Board Chairman
159 Pantigo Road
East Hampton, NY 11937

RE: T-Mobile Wireless (LI13820B) at The Tower at Montauk Condominium
Personal Wireless Service Facility II
55 South Euclid Avenue, Montauk, NY 11954
SCTM#300-49-3-46

Dear Mr. Kramer,

At your request on behalf of the Town of East Hampton (“Town”), CityScape Consultants, Inc. (“CityScape”), as telecommunications consultant for the Town, has considered the above referenced application submitted on behalf of T-Mobile Northeast LLC (Applicant) to modify existing equipment on a one hundred and one (101) foot building (one hundred and four foot and two inches (104’2”) including chimney). The building is owned by The Tower at Montauk Condominium and located at 55 South Euclid Avenue, Montauk, NY 11954, *see Figure 1*.

Support Structure & Equipment

The Applicant proposes to remove and replace three (3) remote radio units (RRUs); add three (3) antenna and three (3) new hybrid cables to the existing antenna platforms on the midlevel roof parapet. The Applicant also proposes to install a new radio frequency (RF) concealment screen around the existing and proposed wireless equipment on the midlevel roof parapet of the building, *see Figures 2 and 3*. On the upper-level roof parapet, behind the existing screening the Applicant proposes to remove one equipment cabinet and replace it with one equipment rack, *see Figure 4*.

FCC Compliance

An “Antenna Site FCC RF Compliance Assessment and Report for Municipal Submission” dated February 2, 2022, is provided by Pinnacle Telecom Group. The report describes modeling calculations of RF levels associated with the existing and proposed antennas at both the street and rooftop levels. “Per T-Mobile guidelines, and consistent with FCC guidance on rooftop compliance, “Notice” signs are to be installed at the T-Mobile Gamma antenna sector. In addition, “Notice, Guidelines and Emergency” signs are to be installed at the roof access point(s)” to mitigate any potential exposure. The signage for this facility is depicted on page A-7 the submitted construction drawings. Pinnacle states, “the results of the calculations, along with the proposed RF

mitigation, combine to satisfy the FCC's RF compliance requirements and associated guidelines at street level around the site and on the subject roof", *see Figure 5.*

Structural Analysis

The Applicant provided a Structural Analysis of Antenna Mountings Report prepared by Sean P. Cunningham, PE, PC, registered State of New York Professional Engineer, dated January 27, 2022. The report is based on TIA-222-H and ASCE 7-16 for buildings. In conclusions, "Existing antenna mountings, misc. steel support, and anchorage to parapet walls will withstand reaction loads from wind load from new and existing antennas. Parapet wall of existing structure will withstand loads from new antennas", *see Figure 6.*

Summary – Approval Recommended

The proposed modification will not *substantially change* the physical dimensions of the facility and will it will remain concealed therefore this application qualifies as an *eligible facility request* under 47 USC §1455. If a proposed eligible facilities request does not involve a *substantial change* to a wireless communications facility it qualifies for streamlined processing. CityScape recommends the application be approved at staff level for the proposed modifications in this application.

I certify that, to the best of my knowledge, all the information included herein is accurate at the time of this report. CityScape only works for public entities and has unbiased opinions. All reviews are based on technical merit without prejudice per prevailing laws and codes. Regarding the structural analysis report, CityScape did verify that the proposed appurtenances shown by Applicant's construction drawings were listed in the structural report, but did not independently verify the calculations, statements or the appropriateness of the analysis criteria contained therein. Town staff should verify compliance with applicable building and fire codes prior to issuance of a permit for this modification.

Respectfully submitted,



Susan Rabold
Project Manager
CityScape Consultants Inc.

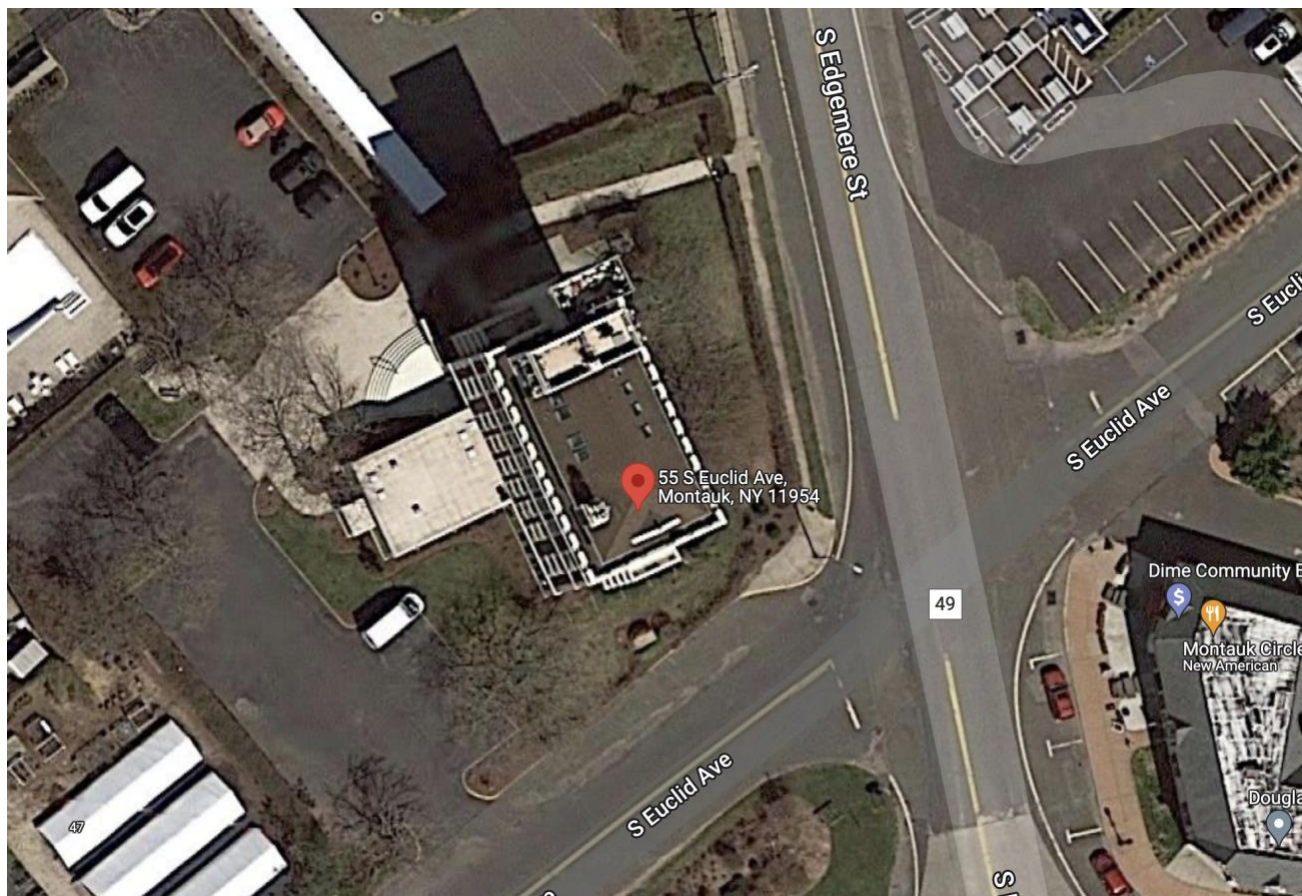


Figure 1 – Site Location

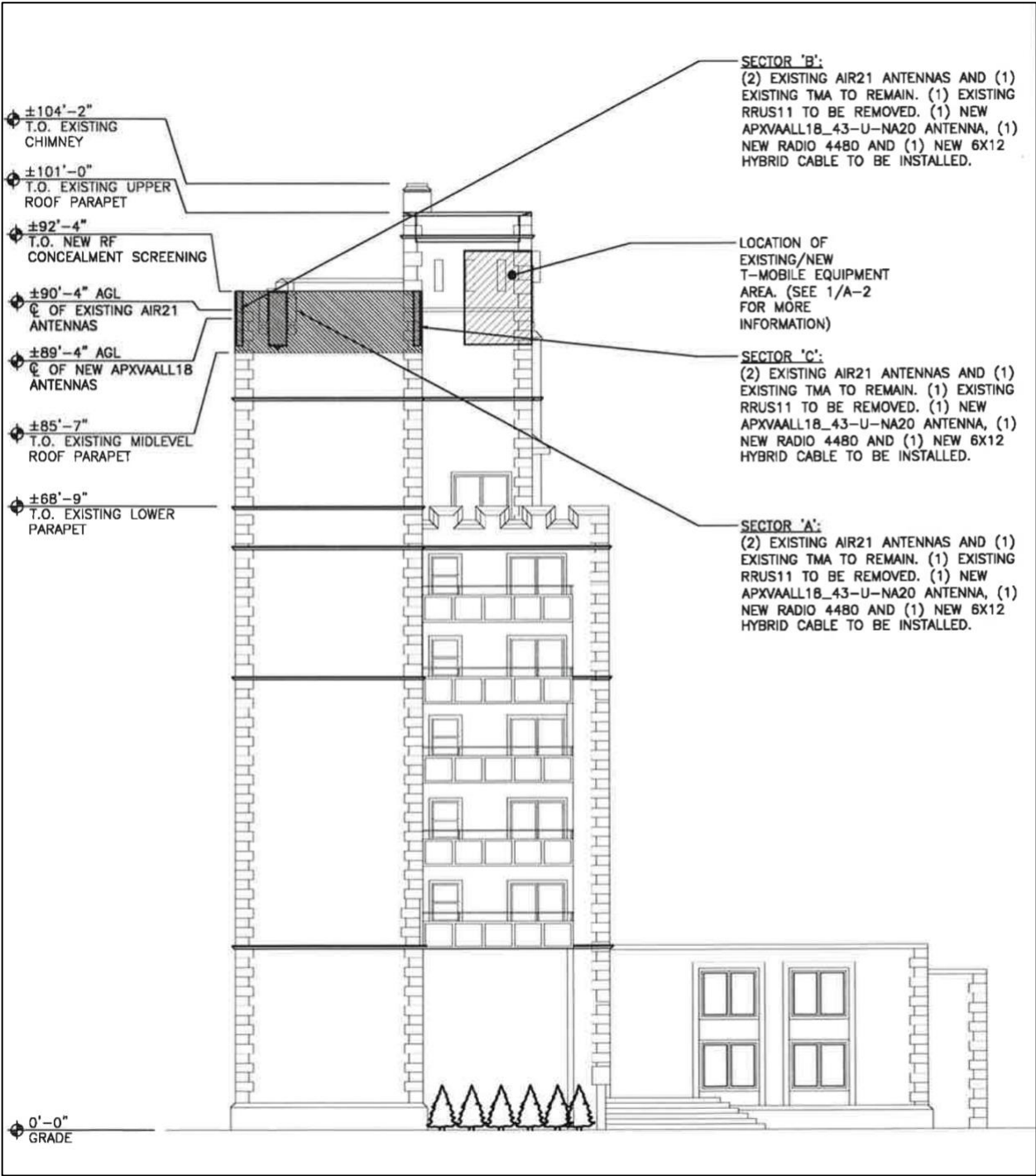


Figure 2 – Building Street View

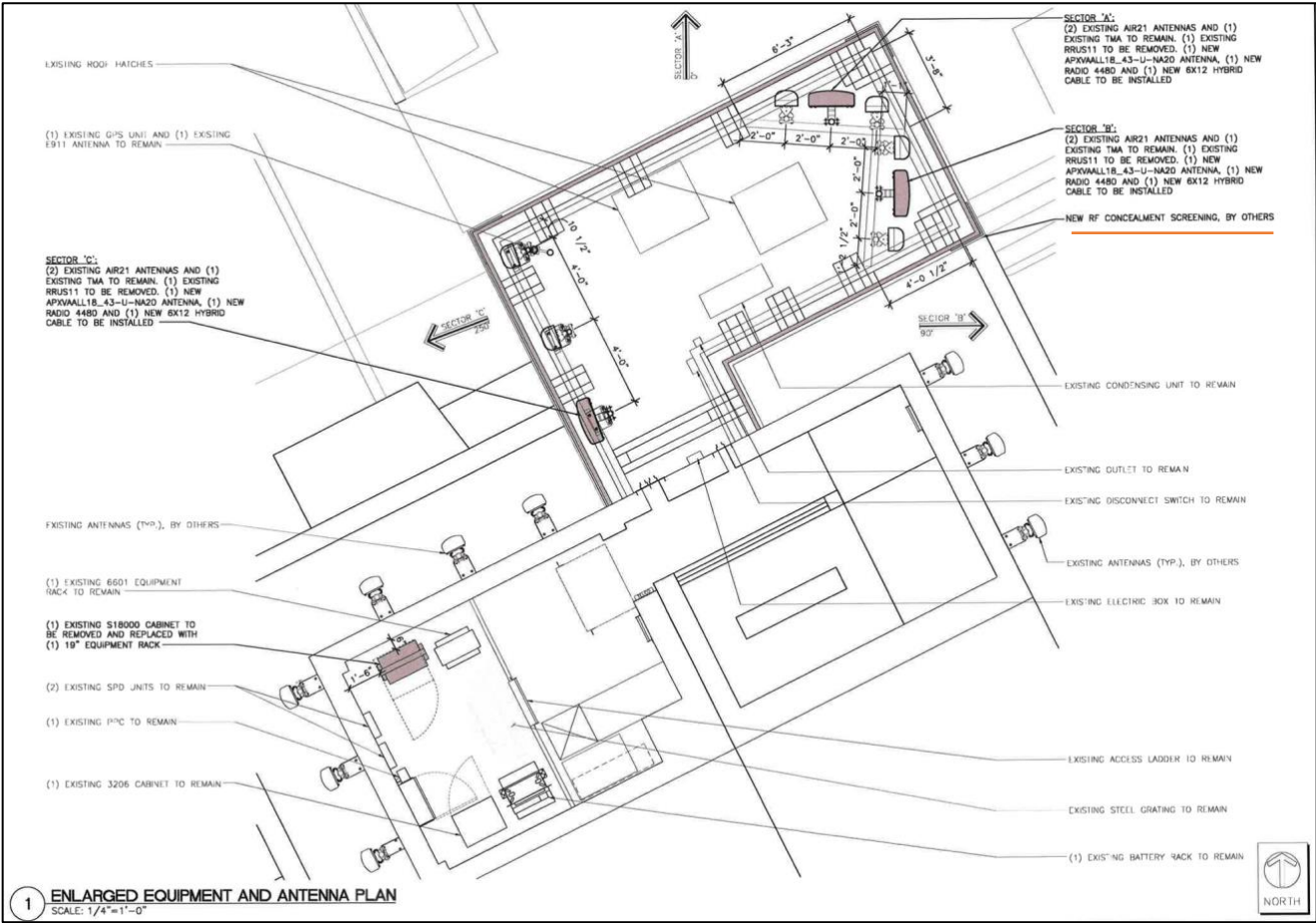


Figure 3 – Rooftop Configuration



Figure 4 – Antenna Configuration and Screens Around Equipment



PINNACLE TELECOM GROUP
Professional and Technical Services

ANTENNA SITE FCC RF COMPLIANCE ASSESSMENT AND REPORT FOR MUNICIPAL SUBMISSION

PREPARED FOR
T-MOBILE NORTHEAST LLC

**SITE LI13820B
55 SOUTH EUCLID AVENUE
MONTAUK, NY**

FEBRUARY 2, 2022

Compliance Conclusion

According to the FCC, the MPE limit has been constructed in such a manner that continuous human exposure to RF emissions up to and including 100 percent of the MPE limit is acceptable and safe.

The street-level analysis in this case shows a maximum RF level of 2.7777 percent of the applicable FCC general population MPE limit. The analysis of the upper rooftop shows that the calculated RF levels at the T-Mobile Gamma antenna sector potentially exceed the FCC MPE limit. Per T-Mobile guidelines, and consistent with FCC guidance on rooftop compliance, it is recommended that Notice signs be installed at the T-Mobile Gamma antenna sector. In addition, Notice, Guidelines and Emergency signs are to be installed at the roof access point(s).

The results of the calculations, along with the proposed RF mitigation, combine to satisfy the FCC's RF compliance requirements and associated guidelines at street level around the site and on the subject roof.

14 RIDGEDALE AVENUE • SUITE 260 • CEDAR KNOLLS, NJ 07927 • 973-451-1630

Figure 5 – FCC RF Compliance

Sean P. Cunningham, PE, PC
PO Box 1091
Setauket, NY 11733
Phone 631-689-3965
Email: sean.cunningham.pe@gmail.com

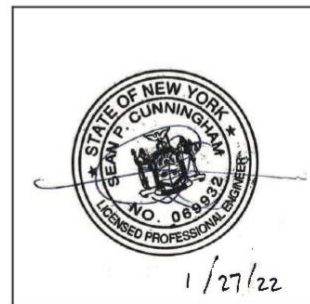
JOB: T-MOBILE Site #LI13820-B - Montauk

CUSTOMER: WFC ARCHITECTS

Project No.: 20-14332

DRAWING No.: S-128334

T-MOBILE SITE # LI13820-B
STRUCTURAL ANALYSIS
OF ANTENNA MOUNTINGS
FOR SECTORS A, B, AND C
L600 UPGRADE



DWN: SC CHK: DATE: 1/27/2022 Page 1

CONCLUSIONS

Existing antenna mountings, misc. steel support, and anchorage to parapet walls will withstand reaction loads from wind load from new and existing antennas. Parapet wall of existing structure will withstand loads from new antennas.

Figure 6 – Structural Analysis